

Before replacement	After replacement
(Half sized blank)	<ec:sp/>
(Full sized blank)	<ec:sp2/> or <ec:ch utf="x0030"> </ec:ch>
- (Minus)	<ec:ch utf="x0dffc"> </ec:ch>
— (Prolonged sound)	<ec:ch utf="xfc30"> — </ec:ch>
力 (Kanji)	<ec:ch utf="x9b52"> 力 </ec:ch>
力 (Katakana)	<ec:ch utf="xab30"> 力 </ec:ch>

Fig. 1

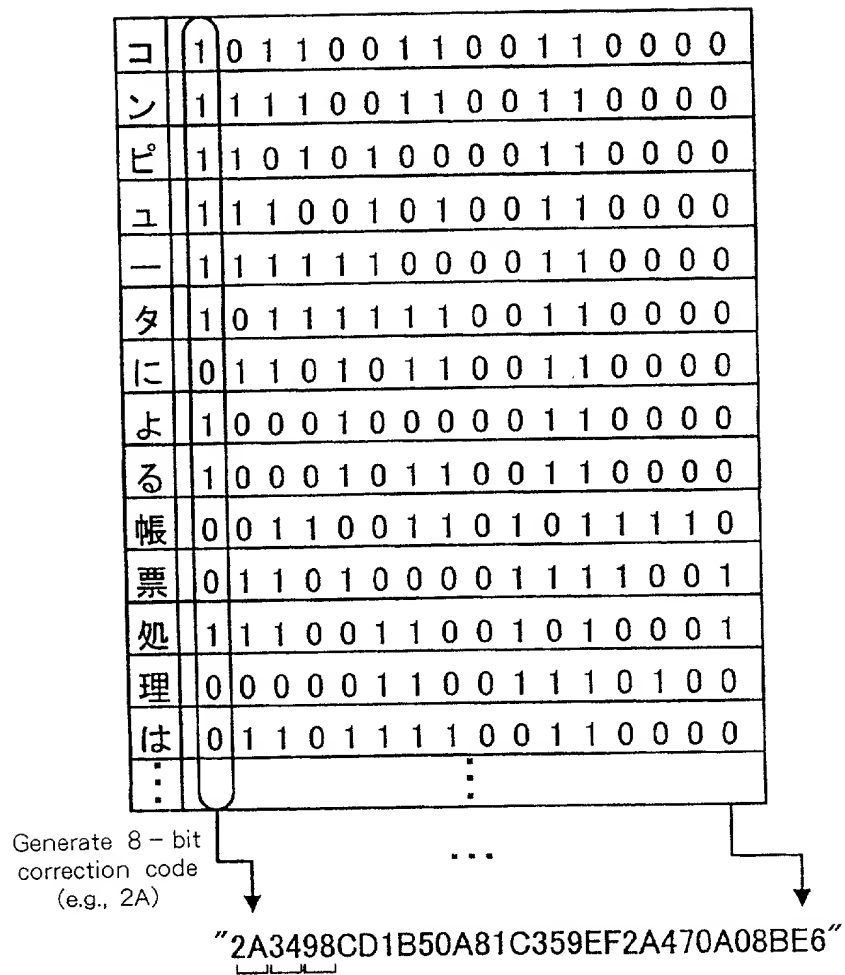


Fig. 2

(a) Before insertion

```
<ProductDescription>
  IBM personal computer
</ProductDescription>
```

(b) After insertion

```
<ProductDescription>
  <ec:div val_ec="8B12D73287A2871FB11E927C74277B29">IBM personal computer </ec:div>
</ProductDescription>
```

Fig. 3

(a)

Correction code description attribute	After replacement
val_ec	Correction code for a character string that indicates an attribute value
name_ec	Correction code for a character string that indicates an attribute name
both_ec	Correction code for a character string that indicates a combination of the name and value of an attribute

(b) Before insertion

<ProductCode pcode="5550" ccode="IBM" />

(c) After insertion

<ProductCode ccode="IBM" pcode="5550" ec:val_ec="A783ED2B94FC3B05"/>

(a)

```

<!--Description of application data-->
<ProductDescription>
  IBM personal computer
</ProductDescription>
<ProductCode pcode="5550" ccode="IBM" />
<!--Description of error correction information for application data-->
<ec:ecc ID="01">
  <ec:div val_ec="7C21E6237893963EC25D23A84952C21E">
    <ec:target ec:path="//ProductDescription/text()" />
    <ec:target ec:path="//ProductCode/@pcode" />
    <ec:target ec:path="//ProductCode/@ccode" />
  </ec:div>
</ec:ecc>

```

(b)

```

<ec:ecc>
  <ec:div val_ec="9E01E6237AB3952F7C21E623D73223AB">
    <ec:target ec:path="//ecc[ID="01"]/div//@*" />
  </ec:div>
</ec:ecc>

```

(a)

```

<ec:word type="ProperNoun"> Suzuki Ichiro </ec:word>
<ec:word type="Abbreviation">XML</ec:word>
<ec:word type="TagName">ProductCode</ec:word>
<ec:word type="AttName">cocode</ec:word>

```

(b)

type value	Definition
ProperNoun	Proper noun
Abbreviation	English abbreviation
TagName	Tag name
TagVal	Keyword that appears as an element value
AttName	Attribute name
AttVal	Keyword that appears as an attribute value

(c)

```

<ec:word type="ProperNoun">
  <ec:div val_ec="7A4D273387C2971FB22E927D74267B2A">
    Suzuki <ec:ch utf="x004E">Ichir</ec:ch>ro</ec:div>
  </ec:word>

```

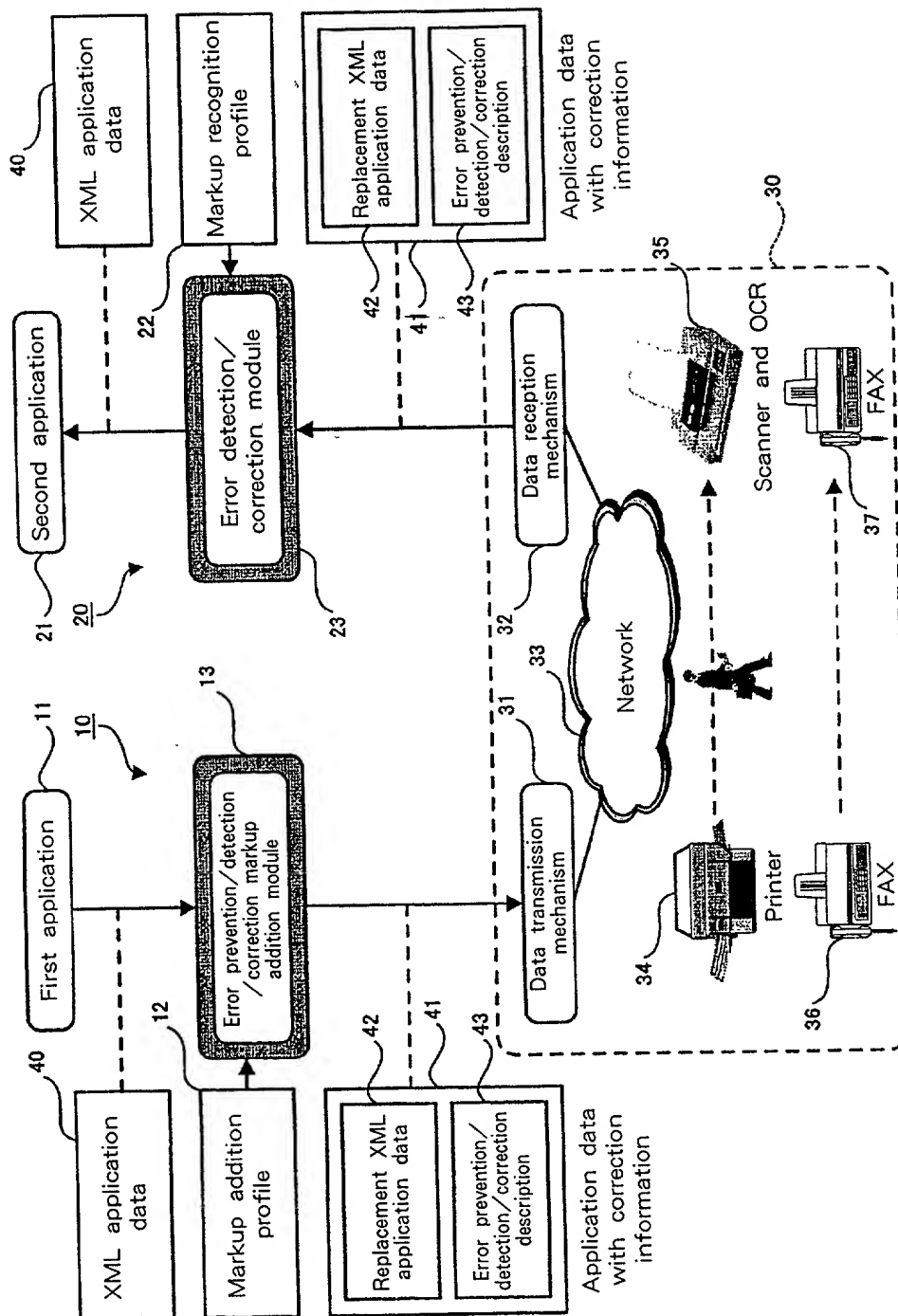


Fig. 7

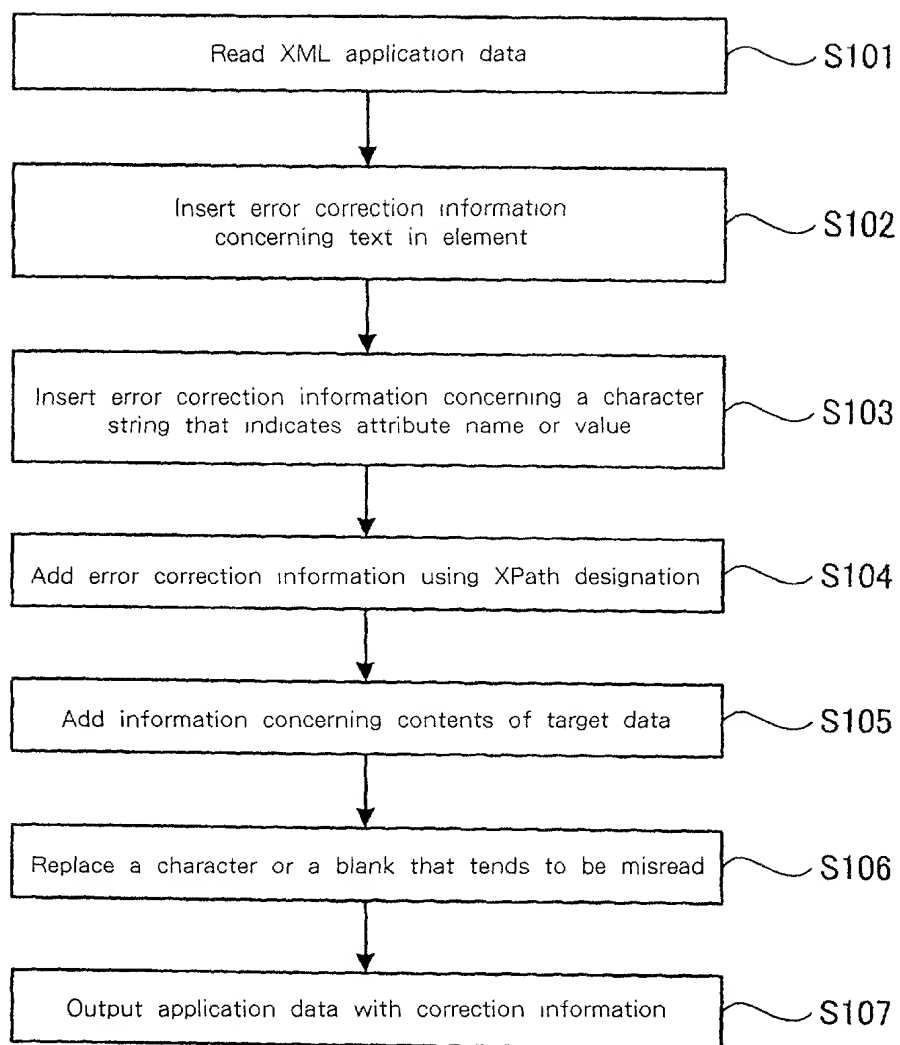


Fig. 8

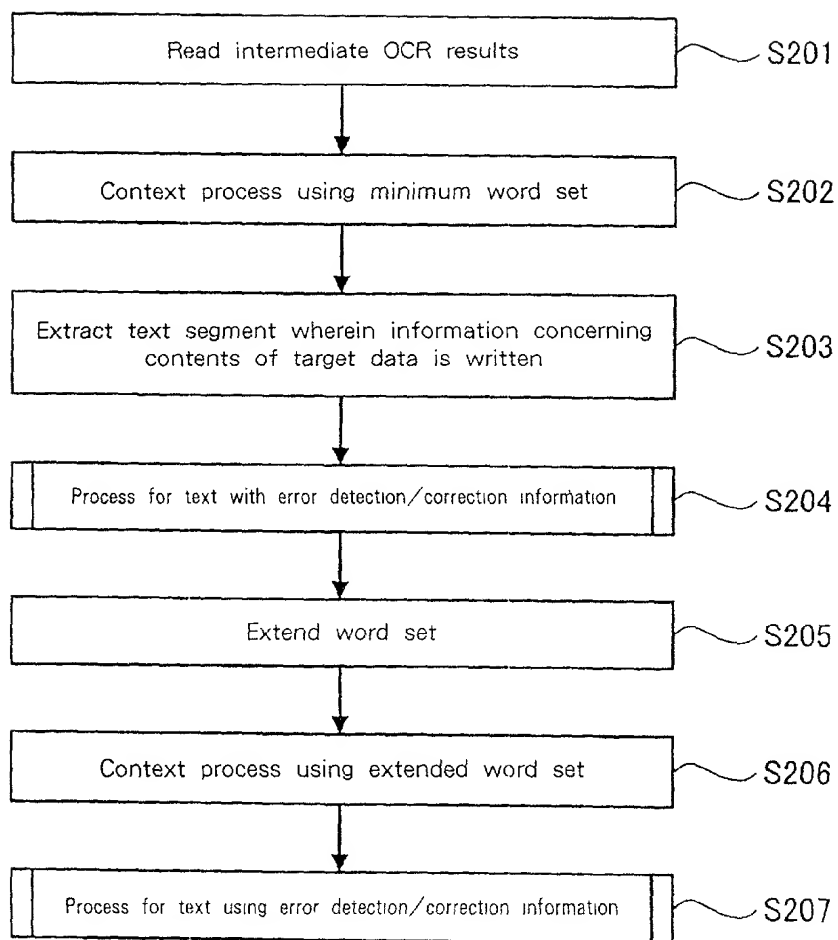


Fig. 9

<cand second="二">こ</cand>れは認識結<cand second="菓" third="呆">果</cand>です。

Fig. 10

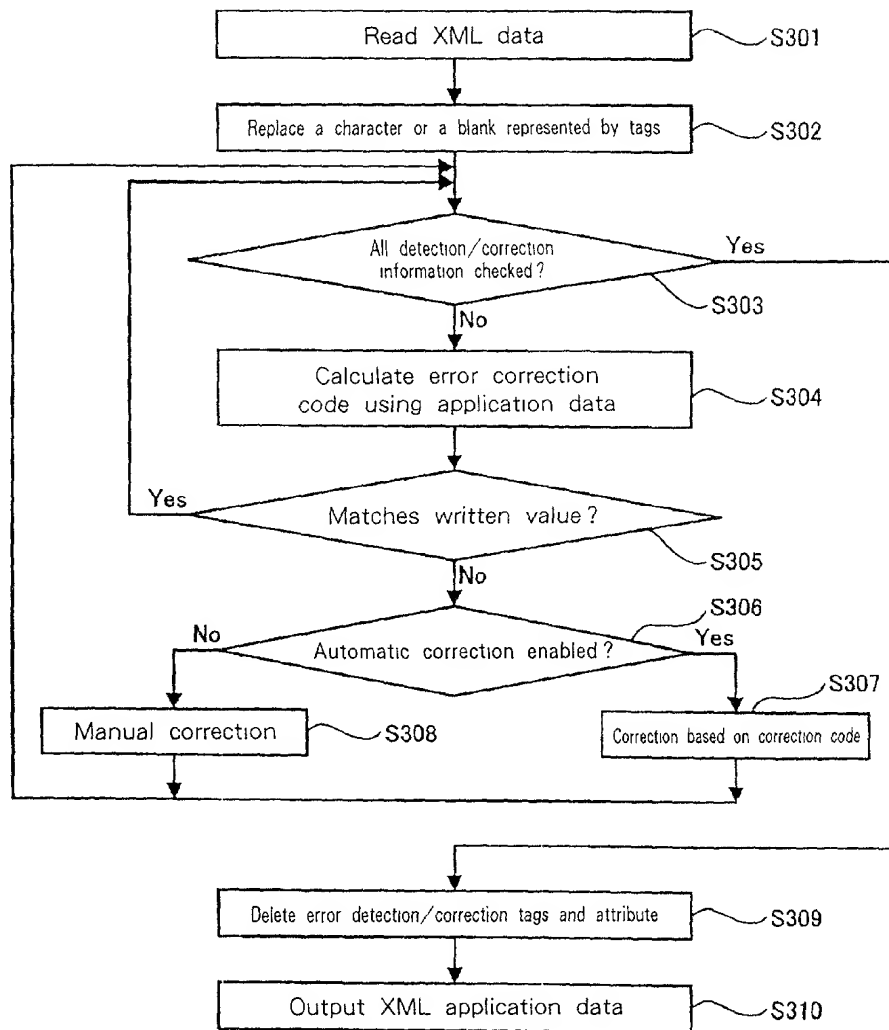


Fig. 11

```

<PurchaseOrder>
  <!-- Book order information -->
  <Buyer>
    <Name>Nippon Taro</Name>
    <CreditCard>9880<ec:ch utf="x0dff">--</ec:ch>2134<ec:ch
utf="x0dff">--</ec:ch>2378</CreditCard>
  </Buyer>
  <OrderList>
    <Order>
      <ISBN>4<ec:ch utf="x0dff">--</ec:ch>8101<ec:ch utf="x0dff">--
</ec:ch>8979<ec:ch utf="x0dff">--</ec:ch>1</ISBN>
    </Order>
    <Order>
      <ISBN>4<ec:ch utf="x0dff">--</ec:ch>274<ec:ch utf="x0dff">--
</ec:ch>06290<ec:ch utf="x0dff">--</ec:ch>2</ISBN>
    </Order>
  </OrderList>

  <!-- Signature information -->
  <Signature>
    <SignedInfo>
      <Transforms>
        <Transform Algorithm="http://www.w3.org/TR/1999/REC-xpath
-19991116">
          <XPath ">
            (Buyer | OrderList)
          </XPath>
        </Transform>
      </Transforms>
    </SignedInfo>
    <DigestMethod Algorithm="http://www.w3.org/2000/07/xmldsig#sha1"/>
    <DigestValue>Xy6%Dgdeu256&fdi</DigestValue>
    <SignatureValue>op6&se%$h78s1Wq*ae</SignatureValue>
  </Signature>

  <!-- Description of error correction information -->
  <ec:ecc ID="01">
    <ec:div val_ec="7123E6237893963EC25D23A84952C21E">
      <ec:target ec:path="//Buyer/Name" />
      <ec:target ec:path="//Signautre//text()" />
    </ec:div>
  </ec:div>

</PurchaseOrder>

```

Fig. 12

```

<ExpenseClaim>
  <Item type="Transportation fee">
    <Date>2000/04/21</Date>
    <Amount><ec:div val_ec="13AB15607A93A63ECF5123C79B51C324">3500 </ec:div></Amount>
  </Item>
  <Item type="Book">
    <Date>2000/05/23</Date>
    <Amount><ec:div val_ec="95A3E5237A93963ECB5023A88C42C21E">5500 </ec:div></Amount>
  </Item>
</ExpenseClaim>

```

Fig. 13

```
<report>
  <author>Suzuki Ichiro</author>
  <title>New technique for data exchange</title>
  <chapter>
    <p>this report...</p>
  </chapter>
  <chapter>
    <p>RosettaNet specifies new standards called PIP...</p>
  </chapter>

  <ec:word type="ProperNoun">Suzuki Ichiro</ec:word>
  <ec:word type="ProperNoun">RosettaNet</ec:word>
  <ec:word type="Abbreviation">PIP</ec:word>

</report>
```